

I. AMENDMENTS

Amendments to the Claims:

The following listing of claims replaces all prior versions and listings of claims in the application:

1-96. (Canceled)

97. (Previously presented) A preparation comprising protein molecules, said preparation including heparanase (endo- β -D-glucuronidase) protein, said heparanase protein having heparanase catalytic activity or being cleavable so as to acquire said heparanase catalytic activity, wherein said heparanase protein comprises a polypeptide at least 70% homologous to SEQ ID NO: 10, and wherein said preparation is pure enough to elicit anti-heparanase antibodies.

98. (Previously presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 80% homologous to SEQ ID NO: 10.

99. (Previously presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 90% homologous to SEQ ID NO: 10.

100. (Previously presented) The preparation of claim 97, wherein said heparanase protein comprises a polypeptide at least 95% homologous to SEQ ID NO: 10.

101. (Previously presented) The preparation of claim 97, wherein said heparanase protein comprises SEQ ID NO: 10.

102 -126 (Canceled)

127. (Previously presented) The preparation of claim 97, wherein said heparanase protein comprises SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.

128. (Currently amended) A preparation comprising a heparanase protein, wherein said heparanase protein comprises amino acid residues 500 to 543 of SEQ ID NO: 10, and wherein said preparation is pure enough to elicit anti-heparanase antibodies ~~The preparation of claim 125,~~ wherein said amino acid sequence has a phenylalanine residue at position 246.

129. (Previously presented) A heparanase protein comprising SEQ ID NO: 10, provided that said amino acid sequence has a phenylalanine residue instead of a tyrosine residue at position 246.

130. (New) The preparation of claim 97, wherein said heparanase protein is at least 70% homologous to SEQ ID NO: 10.

131. (New) The preparation of claim 97, wherein said heparanase protein is at least 80% homologous to SEQ ID NO: 10.

132. (New) The preparation of claim 97, wherein said heparanase protein is at least 90% homologous to SEQ ID NO: 10.

133. (New) The preparation of claim 97, wherein said heparanase protein is at least 95% homologous to SEQ ID NO: 10.